

Serial Number: 10/044,674CRF Processing Date: 2/19/2002
Edited by: AI
Verified by: AI (STIC staff)

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____.

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/044,674

DATE: 02/19/2002

TIME: 17:10:28

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\02192002\J044674.raw

3 <110> APPLICANT: Chew, Anne
 4 Denton, R. Rex
 5 Biegleski, Karyn M
 6 Nandabalan, Krishnan
 7 Stephens, J. Claiborne
 9 <120> TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
 11 <130> FILE REFERENCE: TNFRSF11B_MWH-0001US (CIP)
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/044,674
 14 <141> CURRENT FILING DATE: 2002-01-09
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/18803
 17 <151> PRIOR FILING DATE: 2000-07-10
 19 <160> NUMBER OF SEQ ID NOS: 94
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 11408
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
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 34 <221> NAME/KEY: allele
 35 <222> LOCATION: (717)..(717) /
 36 <223> OTHER INFORMATION: PS2: polymorphic base C or T
 38 <220> FEATURE:
 39 <221> NAME/KEY: allele
 40 <222> LOCATION: (744)..(744) /
 41 <223> OTHER INFORMATION: PS3: polymorphic base G or T
 43 <220> FEATURE:
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 45 <222> LOCATION: (778)..(778) /
 46 <223> OTHER INFORMATION: PS4: polymorphic base T or C
 48 <220> FEATURE:
 49 <221> NAME/KEY: allele /
 50 <222> LOCATION: (1009)..(1009) /
 51 <223> OTHER INFORMATION: PS5: polymorphic base G or C
 53 <220> FEATURE:
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 56 <223> OTHER INFORMATION: PS6: polymorphic base C or T
 58 <220> FEATURE:
 59 <221> NAME/KEY: allele

RAW SEQUENCE LISTING
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Input Set : A:\PTO.AMC.txt
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71 <223> OTHER INFORMATION: Sequence undetermined between contigs
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95 <221> NAME/KEY: allele
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97 <223> OTHER INFORMATION: PS13: polymorphic base G or A
99 <220> FEATURE:
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121 <222> LOCATION: (10203)..(10203)

RAW SEQUENCE LISTING
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132	gatgatggtg	gggttggta	agggAACAGT	gctccgcag	gttatccctg	ccccaggcag	180
133	tccaaatttc	actctgcaga	ttctctctgg	ctctaactac	cccagataac	aaggagtgaa	240
134	tgcagaatag	cacgggcctt	aggccaatc	agacattagt	tagaaaaatt	cctactacat	300
135	gttttatgta	aacttgaaga	tgaatgattt	cgaaactcccc	gaaaagggtc	cagacaatgc	360
136	catgcataaaa	gagggggccct	gtatTTGAG	gtttcagaac	ccgaagtgaa	ggggtcaggc	420
137	agccgggtac	ggcgaaact	cacagtttc	gcccagcgag	aggacaaaagg	tctgggacac	480
138	actccaactg	cgtccggatc	ttgkctggat	cggaactctca	gggtggagga	gacacaagca	540
139	cagcagctgc	ccagcgtgt	cccaagccctc	ccaaCGCTGG	tccggctgc	caggaggctg	600
140	gcccgtggcg	ggaaggggcc	ggggaaacctc	agagccccgc	ggagacagca	gcccgttgt	660
141	tcctcagccc	ggTggcTTT	tttccccctg	ctctcccagg	ggacagacac	caccgcycga	720
142	cccttcacgc	cccacccccc	tggkggatcc	tttccgcccc	agccctgaaa	gcgttaaycc	780
143	tggagcttgc	tgcacacccc	ccgaccgctc	ccggcccaagc	ttccataaaa	agaaaagggtc	840
144	aaagtttggt	ccaggataga	aaaatgactg	atcaaaggca	ggcgatactt	cctgttgccg	900
145	ggacgctata	tataacgtga	tgagcgacag	ggctcgaggag	acgcacccgg	gctcgccccc	960
146	agccggccccc	tccaaagcccc	tgagggtttcc	ggggaccaca	atgaacaast	tgctgtgt	1020
147	cgcgctcggt	gtaagtccct	gggcyagccg	acgggtgccc	ggggcctggg	gaggctgt	1080
148	ccacctggtc	tcccaaccc	ccagcgacc	ggcgggggaga	argctccact	cgctccctcc	1140
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152	cattaaccc	ctgtcttcat	ctcagaatat	taacccctc	atgtagtcca	tactatctt	1380
153	gcttaatgaa	cttgaacttt	tattattagt	ggcaaagaag	tggccctta	gattcagagt	1440
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163	gccctctgg	atttggagt	gtgcaagct	gtaygtgtca	atgtgcagca	aaattaatta	2040
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165	tataggatag	caaattgcaa	agtaatgaa	acctgcccagg	tagtactat	gtgtctggag	2160
166	tgcttccaaa	ggaccaytgc	tcagaggaat	actttgcac	tacagggcaa	ttaatgaca	2220
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168	taaagaaaca	aactcaagtt	gcactattga	tagttgatct	atacctctat	atttcacttc	2340
169	agcatggaca	ccttcaaact	gcagcacttt	ttgacaaaca	tcagaaatgt	taatttatac	2400
170	caagagagta	attatgctca	tattaatgag	actctggagt	gctaacaata	agcagttata	2460
171	attaattatg	taaaaaatgta	gaatggtgag	ggaaatttgc	tttcattatt	aaaaacaagg	2520
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211	cctgttcttgc	ttttctgc	gccctttgc	attttgc	gtcaat	catgtgaaa	4920
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218	atttcttca	attatcaaaat	tat	tcat	aaatgc	gcagtcaccc	5340
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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02192002\J044674.raw

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225	actgccactc	agcgaggct	ggactaatga	acaccctacc	cttctttct	ttcctctcac	5760
226	atttcatgag	cgtttttag	gtaacgagaa	aatttactt	catttgcatt	acaaggagga	5820
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228	aatgcttagag	ttttgtgcaa	cataayagta	gcagtaaaaaa	ccaagtggaaa	agtctttcca	5940
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251	tgaagcagag	aaatgtgaat	tgatataat	atgagattt	aacccagg	cagcattt	7320
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257	cattactccc	attttctgg	acataacttac	tctaccaga	tgctctggc	tttggtaatgc	7680
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259	ctgtatctat	ctctgtctt	gtttccaaag	gtaaactat	tgtctaaatg	tgggcaaaaa	7800
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262	ttgtatttcat	tataagaattt	tttggctgtt	acttatttac	aacaatattt	cactctaatt	7980
263	agacatttac	taaacttct	cttggaaaaca	atgccc	aagaacatta	gaagacacgt	8040
264	aagctcagtt	ggctctgtcc	actaagacca	gccaacagaa	gcttgcattt	attctaaactt	8100
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266	tattgaatag	actctcagaa	atccaattt	ttagttaatc	ttctgggtt	tctaacc	8220
267	ctttagatgt	taccctgtgt	gaggaggcat	tcttcagtt	tgctgtt	cacttac	8280
268	cgcctaaactg	gcttagtgc	ttggtagaca	atttgcctgg	caccaaaagta	aaygcagaga	8340
269	gtgttagagag	gatrraaacgg	caacacagct	cacaagaaca	gacttccag	ctgctgaagt	8400
270	trtggaaaca	tcaaaaacaaa	gaccaagata	tagtcaagaa	gatcatccaa	ggtatgatma	8460

Sequence 270 has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/044,674

DATE: 02/19/2002
TIME: 17:10:29

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02192002\J044674.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:155 M:112 C: (48) String data converted to lower case,
L:1370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94